This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (Withdrawn) A Class II Major Histocompatibility Complex fusion protein comprising a fusion of, toward the N-terminus, at least an MHC Class II binding domain of an MHC Class II α chain and, toward the C-terminus, a dimerization domain.
- 2. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 1 wherein said MHC Class II binding domain comprises an extracellular domain of an MHC Class II α chain.
- 3. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 2 wherein said extracellular domain comprises residues 5-180 of an MHC Class II α chain.
- 4. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 2 wherein said extracellular domain comprises residues 5-200 of an MHC Class II α chain.
- 5. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 2 wherein said extracellular domain comprises residues 5-190 of an MHC Class II α chain.
- (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 1 wherein said MHC Class II α chain is selected from the group consisting of HLA-DR1, HLA-DR2, HLA-DR4, HLA-DQ1, HLA-DQ2 and HLA-DQ8 α chains.
- 7. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 1 wherein said MHC Class II α chain is encoded by an HLA allele selected from the group consisting of DRA*0101, DRA*0102, DQA1*0301 and DQA1*0501 alleles.
- 8. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein comprising a fusion of, toward the N-terminus, at least an MHC Class II binding domain of an MHC Class II β chain and, toward the C-terminus, a dimerization domain.
- (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 8
 wherein said MHC Class II binding domain comprises an extracellular domain of an
 MHC Class II β chain.
- 10. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 9
 wherein said extracellular domain comprises residues 5-185 of an MHC Class II β chain.
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- 11. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 9 wherein said extracellular domain comprises residues 5-205 of an MHC Class II β chain.
- 12. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 9 wherein said extracellular domain comprises residues 5-195 of an MHC Class II β chain.
- 13. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 8 wherein said MHC Class II β chain is selected from the group consisting of HLA-DR1, HLA-DR2, HLA-DR4, HLA-DQ1, HLA-DQ2 and HLA-DQ8 β chains.
- 14. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 8 wherein said MHC Class II β chain is encoded by an allele selected from the group consisting of DRB1*01, DRB1*15, DRB1*16, DRB5*01, DRB1*03, and DRB1*02 alleles.
- 15. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in any one of claims 1-14 wherein said dimerization domain is a coiled-coil domain.
- 16. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 15 wherein said dimerization domain is a leucine zipper domain.
- 17. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 16 wherein said leucine zipper domain comprises at least four leucine heptads.
- 18. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 16 wherein said leucine zipper domain is selected from the group consisting of a Fos and a Jun leucine zipper domain.
- 19. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in any one of claims 1-14 wherein said dimerization domain is an immunoglobulin Fab constant domain.
- 20. (Withdrawn) A Class II Major Histocompatibility Complex fusion protein as in claim 19 wherein said immunoglobulin Fab constant domain is an immunoglobulin heavy chain C_H1 constant region.
- 21-102. (Cancelled)

103. (Previously presented) A Class II Major Histocompatibility Complex fusion protein comprising

a heterodimer of a first polypeptide chain and a second polypeptide chain;

wherein the first polypeptide chain comprises a fusion of, toward the N-terminus, an extracellular domain of a human MHC Class II α chain and, toward the C-terminus, a first coiled-coil dimerization domain; and

wherein the second polypeptide chain comprises a fusion of, toward the N-terminus, an extracellular domain of a human MHC Class II β chain and, toward the C-terminus, a second coiled-coil dimerization domain; and

wherein the first dimerization domain and said second dimerization domain associate in solution at physiological conditions to form a heterodimer capable of selectively binding a MHC binding peptide.

104-113. (Cancelled)

- 114. (Previously presented) The MHC Class II fusion protein of claim 103 wherein the extracellular domain of the MHC Class II α chain comprises amino acid residues 5-180 of a MHC Class II α chain.
- 115. (Previously presented) The MHC Class II fusion protein of claim 103 wherein the extracellular domain of the MHC Class II α chain comprises amino acid residues 5-200 of a MHC Class II α chain.
- 116. (Previously presented) The MHC Class II fusion protein of claim 103 wherein the MHCClass II α chain is an HLA-DR2 allele.
- 117. (Previously presented) The MHC Class II fusion protein of claim 103 wherein the MHC Class II α chain is encoded by an HLA allele selected from the group consisting of DRA*0101 and DRA*0102.
- (Previously presented) The MHC Class II fusion protein of claim 103 wherein the MHC
 Class II β chain extracellular domain comprises amino acid residues 5-185 of an MHC
 Class II β chain.

- 119. (Previously presented) The MHC Class II fusion protein of claim 103 wherein the MHCClass II β chain extracellular domain comprises amino acid residues 5-205 of an MHCClass II β chain.
- 120. (Previously presented) The MHC Class II fusion protein of claim 103 wherein the MHCClass II β chain is an HLA-DR2 allele.
- 121. (Previously presented) The MHC Class II fusion protein of claim 103 wherein the MHC Class II β chain is encoded by an allele selected from the group consisting of DRB1*01, DRB1*15, DRB1*16, and DRB5*01.
- 122. (**Previously presented**) The MHC Class II fusion protein of claim 103 wherein at least one of the dimerization domains comprises a leucine zipper domain.
- 123. (**Previously presented**) The MHC Class II fusion protein of claim 122 wherein the leucine zipper domain comprises at least four leucine heptads.
- 124. (**Previously presented**) The MHC Class II fusion protein of claim 123 wherein the leucine zipper domain is selected from the group consisting of a Fos and a Jun leucine zipper domain.
- 125. (Previously presented) The MHC Class II fusion protein of claim 103 further comprising a first immunoglobulin Fc domain positioned at the C-terminus of at least one of the first and or second polypeptide chains.
- 126. (**Previously presented**) The MHC Class II fusion protein of claim 125 wherein the Fc domain is an IgG Fc domain.
- 127. (**Previously presented**) The MHC Class II fusion protein of claim 125 wherein the Fc domain includes the hinge region.
- 128. (Previously presented) The MHC Class II fusion protein of claim 103 further comprising a first flexible molecular linker covalently linking the MHC Class II α chain to the first dimerization domain and a second flexible molecular linker covalently linking the MHC Class II β chain to the second dimerization domain.
- 129. (Previously presented) The MHC Class II fusion protein of claim 103 further comprising an MHC binding peptide bound to the MHC Class II fusion protein.

- 130. (**Previously presented**) The MHC Class II fusion protein of claim 129 wherein the MHC binding peptide is covalently bound to the MHC Class II fusion protein.
- 131. (Previously presented) A MHC Class II-peptide complex comprising

at least one Class II MHC fusion protein comprising a heterodimer of a first polypeptide chain and a second polypeptide chain;

wherein the first polypeptide chain comprises a fusion of, toward the N-terminus, an extracellular domain of a human MHC Class II α chain, and toward the C-terminus, a flexible molecular linker, and a first coiled-coil dimerization domain;

wherein the second polypeptide chain comprises a fusion of, toward the N-terminus, an extracellular domain of a human MHC Class II β chain, and toward the C-terminus, a flexible molecular linker, and a second coiled-coil dimerization domain;

wherein a Fc domain is covalently attached to the C-terminus of at least one of the first or second dimerization domains;

wherein the first dimerization domain and said second dimerization domain associate in solution at physiological conditions; and

a MHC binding peptide covalently bound to the at least one MHC Class II fusion protein.

- 132. (**Previously presented**) The MHC Class II-peptide Complex of claim 131 wherein the MHC binding peptide is covalently attached to the N-terminus of the first polypeptide chain and the Fc domain is covalently attached to the C-terminus of the second polypeptide chain.
- 133. (Previously presented) The MHC Class II-peptide Complex of claim 131 wherein the MHC binding peptide is covalently attached to the N-terminus of the second polypeptide chain and the Fc domain is covalently attached to the C-terminus of the first polypeptide chain.
- 134. (Previously presented) The MHC Class II fusion protein of claim 131 wherein the extracellular domain of the MHC Class II α chain comprises amino acid residues 5-180 of a MHC Class II α chain.

- 135. (Previously presented) The MHC Class II fusion protein of claim 131 wherein the extracellular domain of the MHC Class II α chain comprises amino acid residues 5-200 of a MHC Class II α chain.
- 136. (**Previously presented**) The MHC Class II fusion protein of claim 131 wherein the MHC Class II α chain is an HLA-DR2 allele.
- 137. (Previously presented) The MHC Class II fusion protein of claim 131 wherein the MHC Class II α chain is encoded by an HLA allele selected from the group consisting of DRA*0101 and DRA*0102.
- 138. (**Previously presented**) The MHC Class II fusion protein of claim 131 wherein the MHC Class II β chain extracellular domain comprises amino acid residues 5-185 of a MHC Class II β chain.
- 139. (Previously presented) The MHC Class II fusion protein of claim 131 wherein the MHC Class II β chain extracellular domain comprises amino acid residues 5-205 of a MHC Class II β chain.
- 140. (**Previously presented**) The MHC Class II fusion protein of claim 131 wherein the MHC Class II β chain is an HLA-DR2 allele.
- 141. (Previously presented) The MHC Class II fusion protein of claim 131 wherein the MHC Class II β chain is encoded by an allele selected from the group consisting of DRB1*01, DRB1*15, DRB1*16, and DRB5*01.
- 142. (Previously presented) The MHC Class II fusion protein of claim 131 wherein at least one of the dimerization domains comprises a leucine zipper domain.
- 143. (**Previously presented**) The MHC Class II fusion protein of claim 142 wherein the leucine zipper domain comprises at least four leucine heptads.
- 144. (**Previously presented**) The MHC Class II fusion protein of claim 143 wherein the leucine zipper domain is selected from the group consisting of a Fos and a Jun leucine zipper domain.

- 145. (Previously presented) The MHC Class II fusion protein of claim 131 wherein the Fc domain is an IgG Fc domain.
- 146. (**Previously presented**) The MHC Class II fusion protein of claim 131 wherein the Fc domain includes the hinge region.
- 147. (Previously presented) The MHC Class II fusion protein of claim 131 further comprising a first flexible molecular linker covalently linking the MHC Class II α chain to the first dimerization domain and a second flexible molecular linker covalently linking the MHC Class II β chain to the second dimerization domain